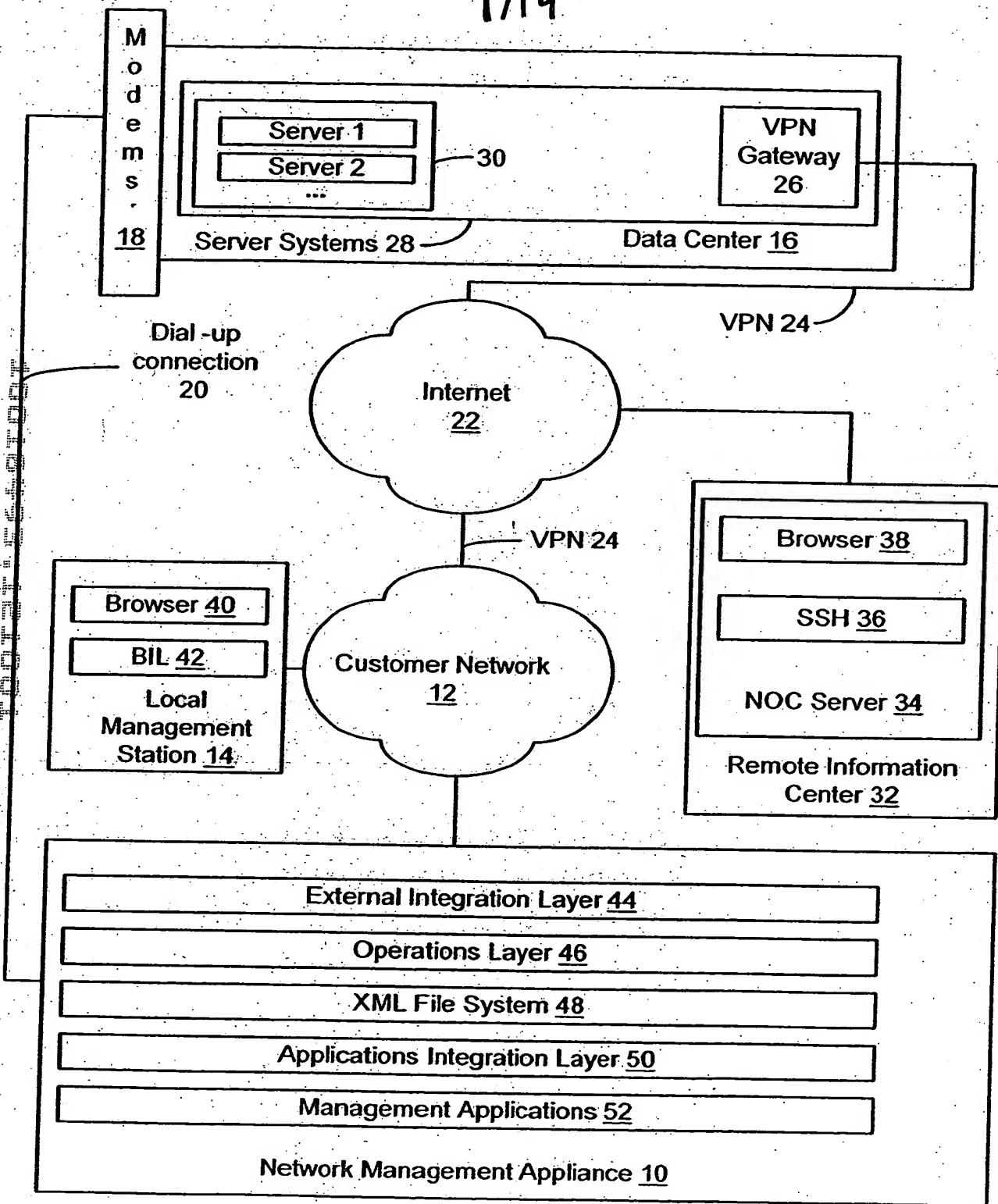


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*Fig. 1*

219

Establish Customer Specific Information in remote Data Center

60

Network Management Appliance is sent from manufacturing to customer

61

Customer connects and power's up the Network Management Appliance

62

Network Management Appliance performs device discovery

63

Network Management Appliance performs open port discovery

64

Network Management Appliance performs protocol discovery

65

Network Management Appliance performs schema discovery

66

Customer accesses Network Management Appliance through browser interface

67

Network Management Appliance performs network management activities

68

Remote Data Center upgrades functionality of Network Management Appliance

70

Network Management Appliance is decommissioned

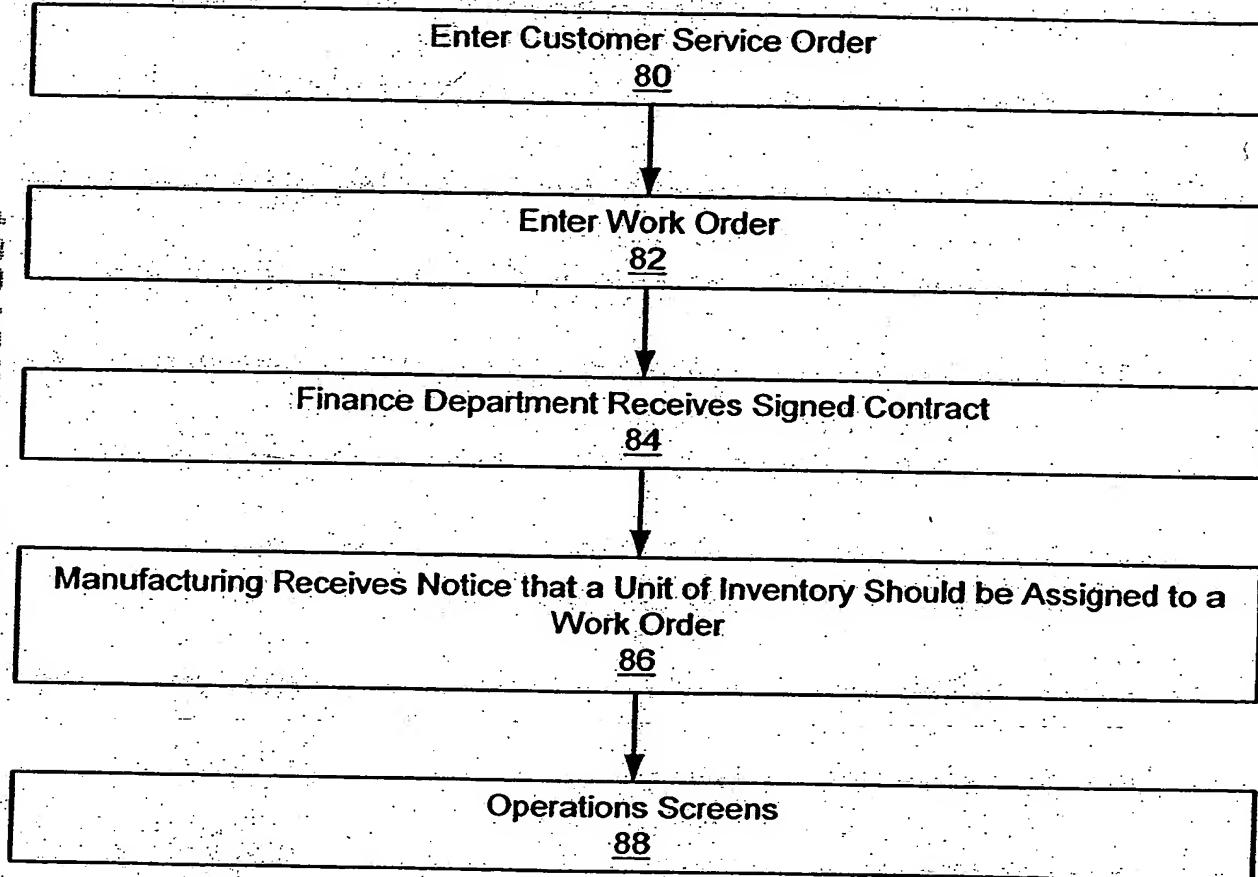
72

**Fig. 2**

Title: XML FILE SYSTEM  
Inventor Name: Vikram Pillai et al.  
Appl. No.  
Docket No.: SBACK-002XX

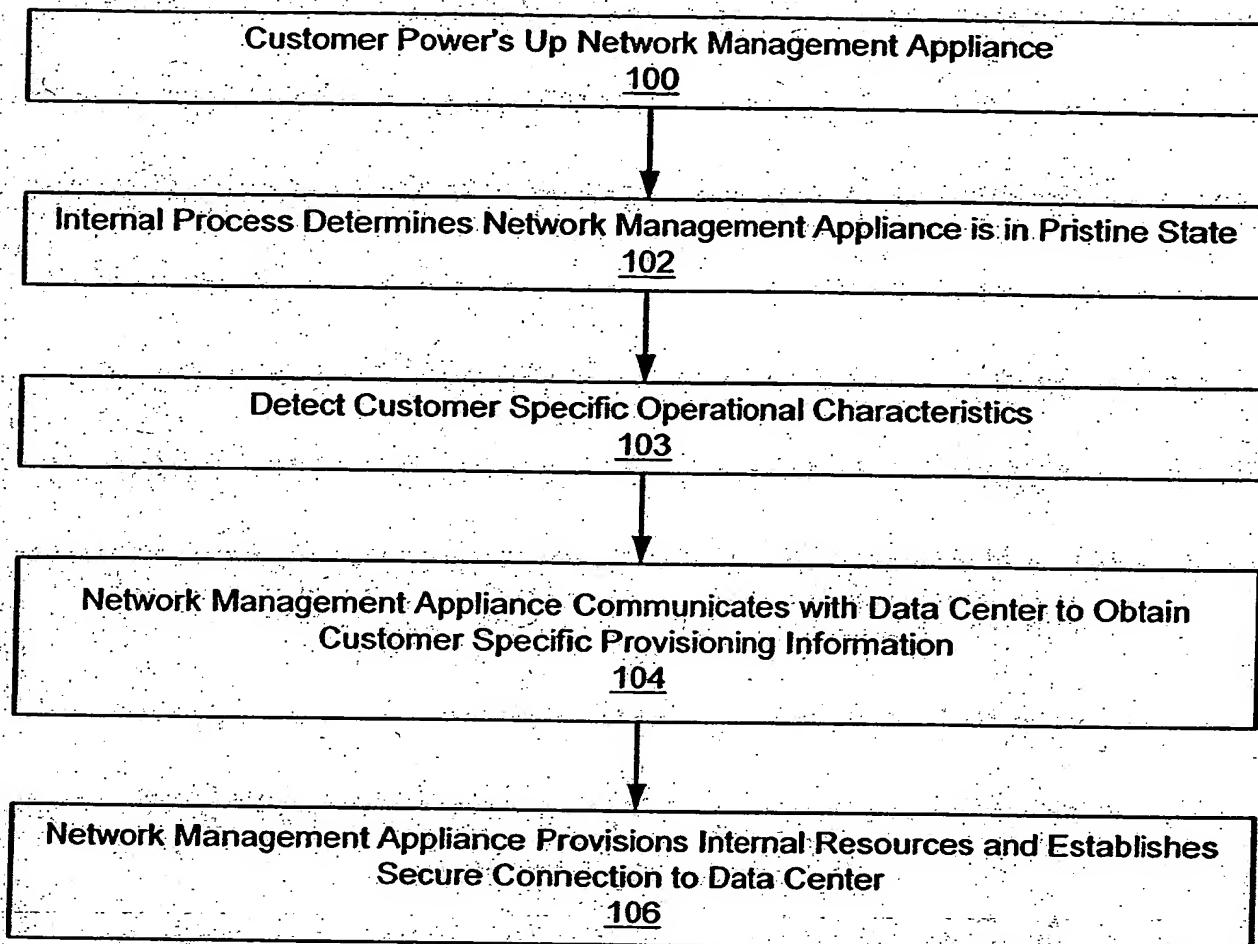
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ROUTING SHEET



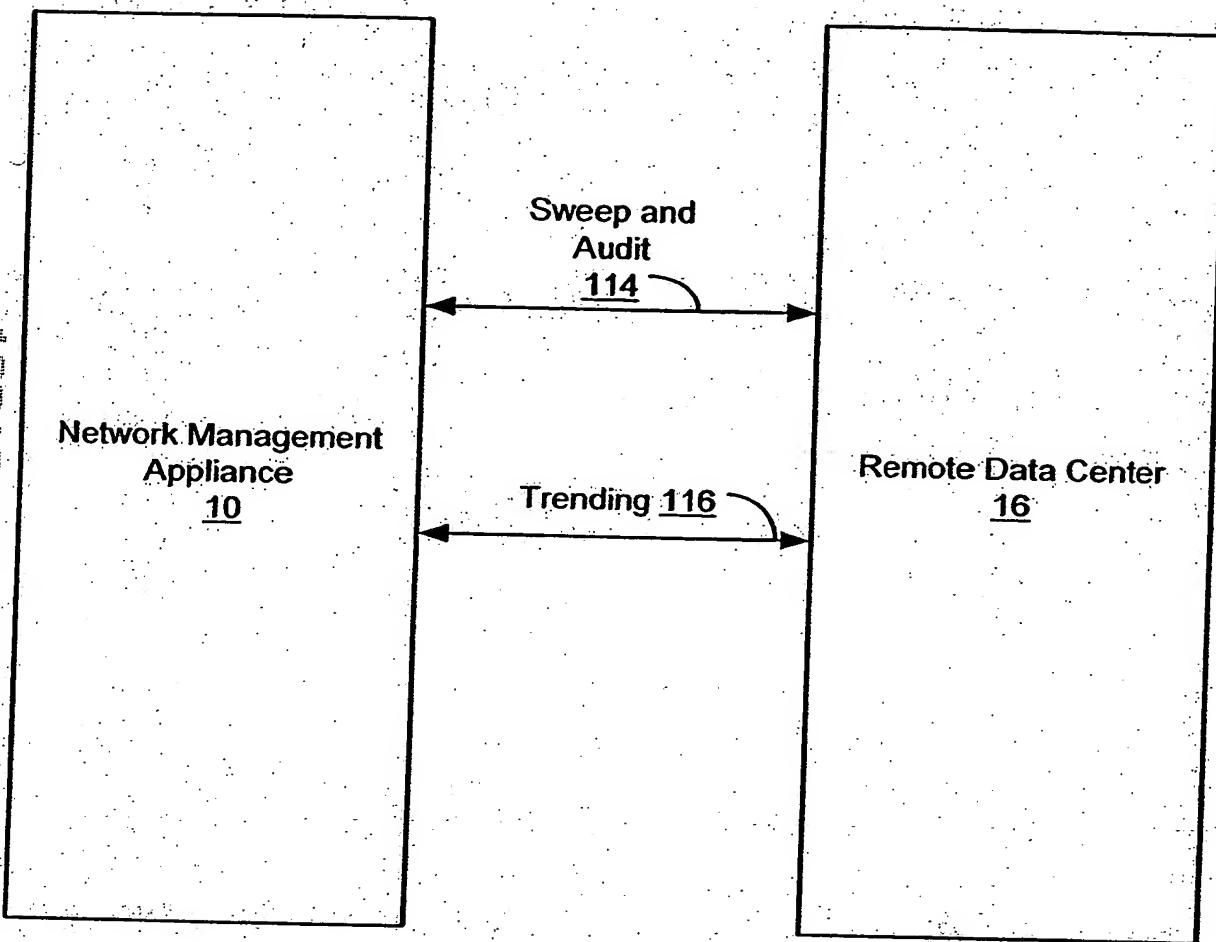
*Fig. 3*

4119



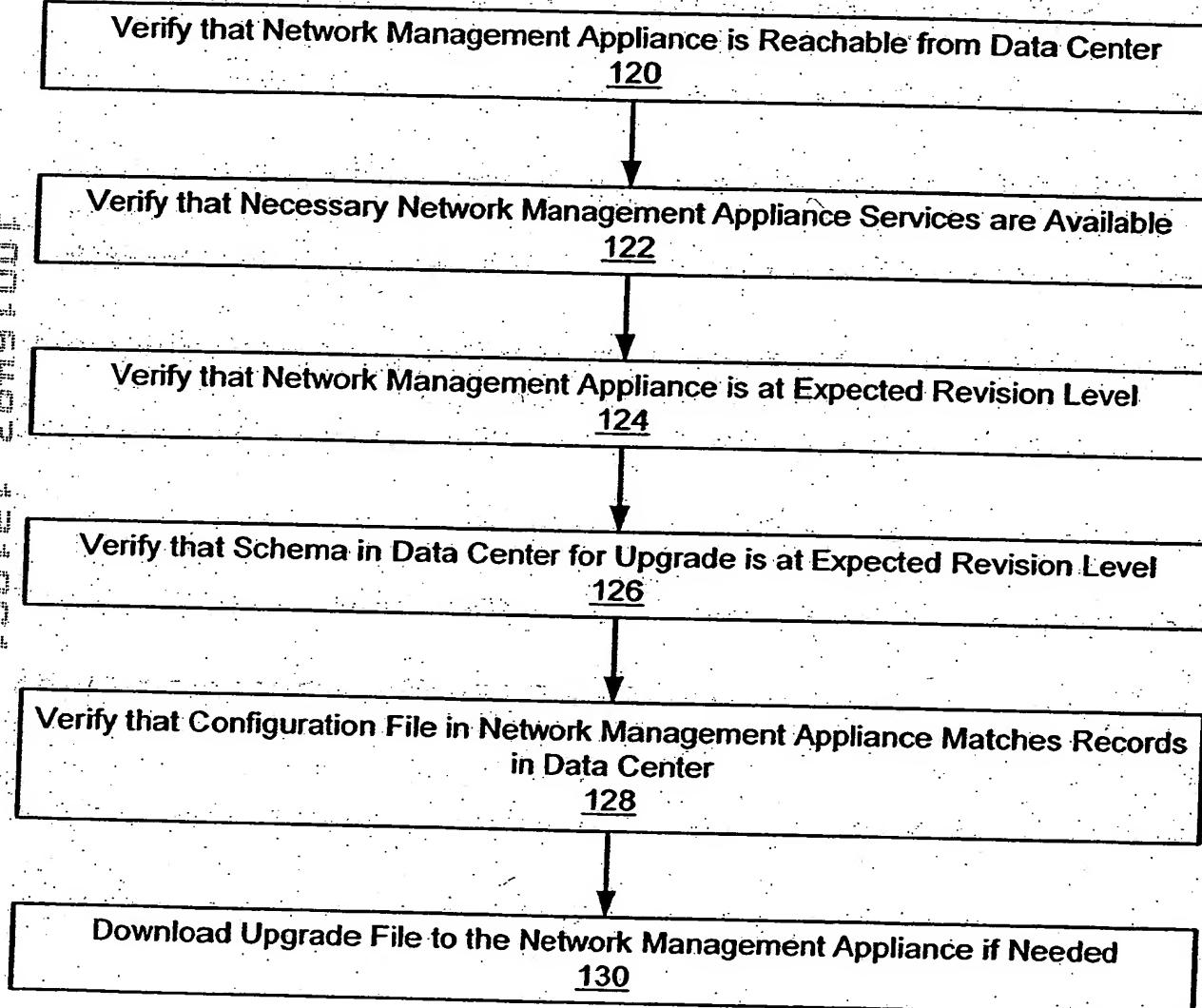
*Fig. 4*

519



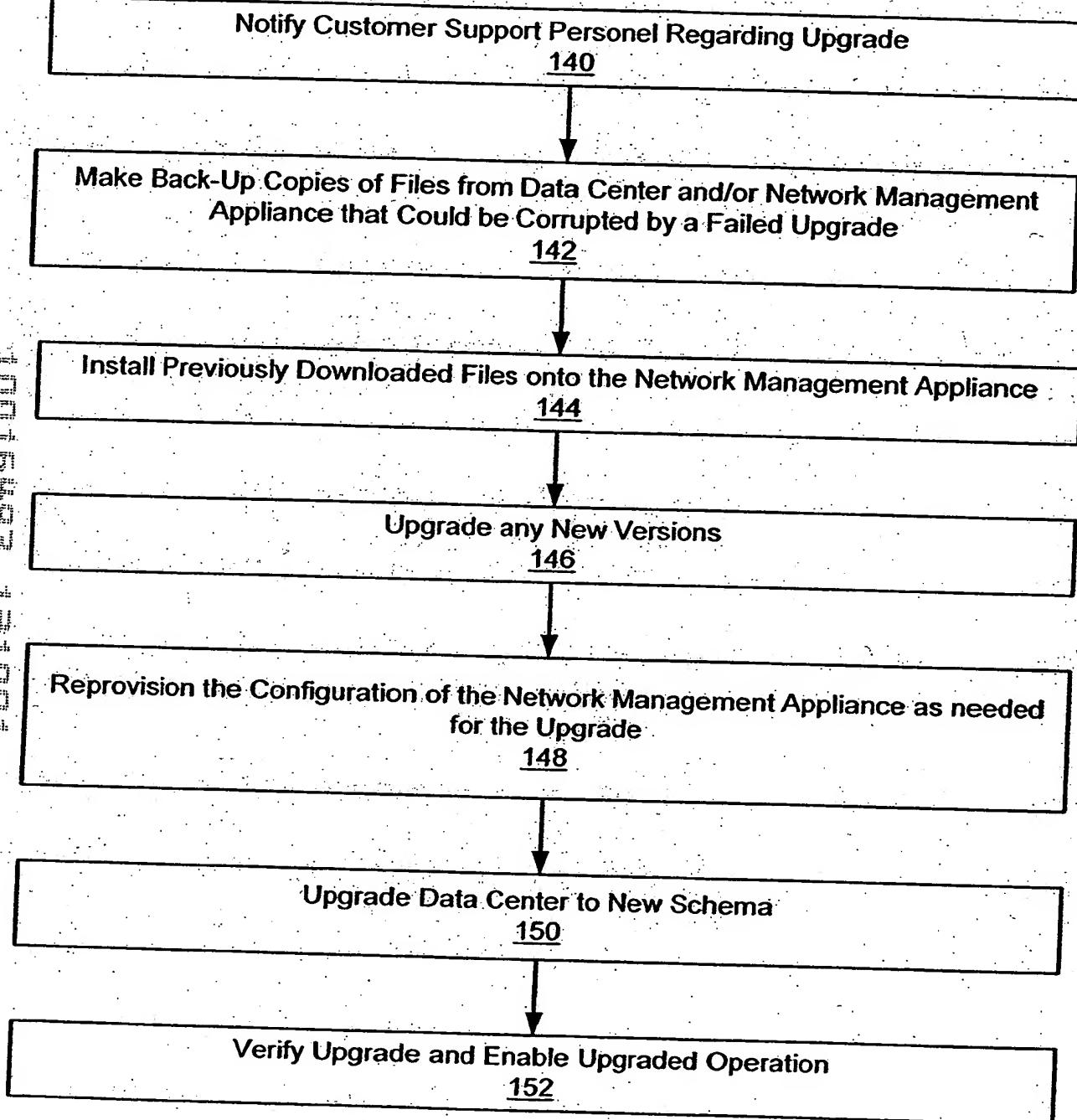
*Fig. 5*

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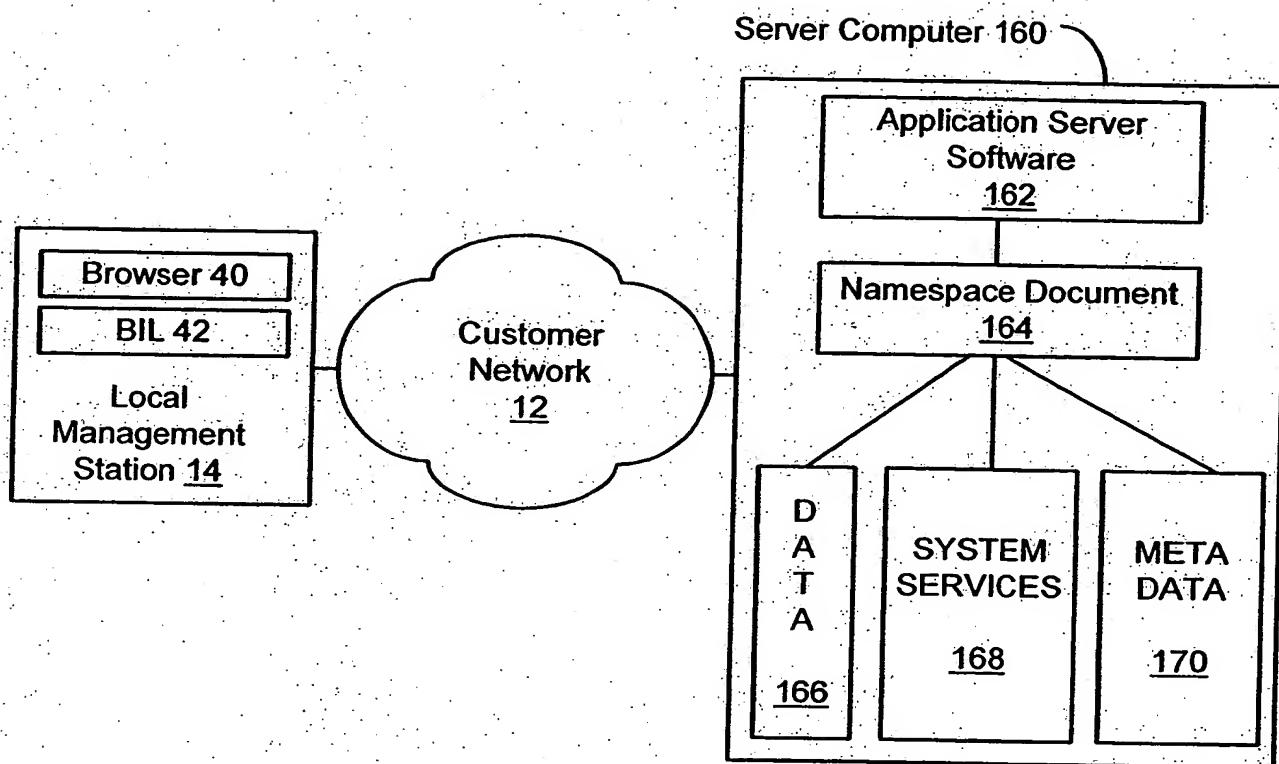
*Fig. 6*

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*Fig. 7*

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**Fig. 8**

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180 {  

```
<root>
  <usr>
    <bin/>
  </usr>
  <app>
    <report/>
  </app>
  <cpe>
    <report/>
  </cpe>
</root>
```

 } 182  
 } 184  
 } 186

Fig. 9

190 {  

```
<app>
  <report>
    <get-schema/>
    <dc-box-upgrade/>
    <performance/>
  </report>
</app>
```

 } 194  
 } 196  
 } 198

Fig. 10

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210 }  
  { <file type="dir" name="public">  
    212 { <file type="file" name="test.xml">  
      214 { </file>  
    </file>

Fig. 11

220 }  
  { <file type="file" name="get-schema">  
    <access-specification>  
      <access-control-entry>  
        <role>Admin</role>  
        222 { <permissions>  
          224 { <read/>  
            <write/>  
            <delete/>  
            <add/>  
          </permissions>  
        </access-control-entry>  
      </access-specification>  
    </file>

Fig. 12

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230 {  
    232 {  
        234 {  
            <file type="dir" name="public">  
                <file type="file" name="test.xml">  
                    <physical type="xml">  
                        <file>/usr/local/system/mytest.xml</file>  
                    </physical>  
                </file>  
    }</file>

Fig. 13

SEARCHED INDEXED  
SERIALIZED FILED

240 {  
    241 {  
        242 {  
            <file type="dir" name="public">  
                <file type="file" name="get-schema">  
                    <physical type="xlet">  
                        <language type="perl"  
                        class="/usr/local/silverback/bin/get-schema.pl"/>  
                    </physical>  
                </file>  
    }</file>

Fig. 14

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25°

```
<root>
  <usr>
    <bin/>
  </usr>
  <app>
    <report/>
  </app>
  <cpe>
    <report/>
  </cpe>
</system>
  <file type="dir" name="root">
    <file type="dir" name="usr">
      <file type="file" name="bin"/>
    </file>
    <file type="dir" name="app">
      <file type="file" name="report"/>
    </file>
    <file type="dir" name="cpe">
      <file type="dir" name="report"/>
        <access-specification>
          <access-control-entry>
            <role>Admin</role>
            <permissions>
              <read/>
              <write/>
              <delete/>
              <add/>
            </permissions>
          </access-control-entry>
        </access-specification>
        <file type="file" name="get-schema">
          <physical type="xlet">
            <language type="perl"
class="/usr/local/silverback/bin/upgrade/get-
schema.pl"/>
          </physical>
        </file>
        <file type="file" name=
"performance.xml">
          <physical type="xml">
            <file>/usr/local/system/screens/
              performance.xml</file>
            </physical>
          </file>
        </file>
      </file>
```

Fig. 15(a)

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152

```
<access-specification>
    <access-control-entry>
        <role>Admin</role>
        <permissions>
            <read/>
            <write/>
            <delete/>
            <add/>
        </permissions>
    </access-control-entry>
</access-specification>
</file>
</system>
</root>
```

Z50

Fig. 15(b)

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add {  
260 }  
<request>  
  <name>test</name>  
  <parent>/usr/local</parent>  
  <type>dir</type>  
</request>

262      264  
      266

Fig. 16

400 500 600 700 800 900 1000  
add {  
270 }  
<request>  
  <name>test.xml</name>  
  <parent>/usr/local</parent>  
  <type>file</type>  
  <physical type="xml">  
    <file>/usr/local/test.xml</file>  
  </physical>  
</request>

272      274  
          278

Fig. 17

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add

280 {

```
<request>
  <name>get-schema</name>
  <parent>/usr/local<parent>
  <type>file</type>
  <physical type="xml">
    282 { <language type="perl"
      class="/usr/local/silverback/bin/upgrade/
        get-schema.pl"/>
    <physical>
  </request>
```

Fig. 18

add

290 {

292 {

294 {

```
<request>
  <name>test</name>
  <parent>/usr/local<parent>
  <type>dir</type>
  <access-specification>
    <access-control-entry>
      <role>Admin</role>
      <permissions>
        <read/>
        <write/>
        <delete/>
        <add/>
      </permissions>
    </access-control-entry>
  </access-specification>
</request>
```

Fig. 19

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300 { <reply>  
      <status>  
          <code></code> 302  
          <message></message> 304  
      </status>  
    </reply>

Fig. 20

cp  
310 { <request>  
      <source>/usr/local/test</source>  
      <target>/usr/local/test2</target>  
    </request>

Fig. 21

mv  
320 { <request>  
      <source>/usr/local/test</source>  
      <target>/usr/local/test2</target>  
    </request>

Fig. 22

rm  
330 { <request>  
      <source>/usr/local/test</source>  
    </request>

Fig. 23

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340 {  
    <reply>  
        <status>  
            <code></code> 342  
            <message></message> 344  
        </status>  
    </reply>

Fig. 24

dir  
350 {  
    <request>  
        <xpath>/usr</xpath>  
    </request>

Fig. 25

360 {  
    <reply>  
        <directory>  
            <get-schema/>  
            <performance/>  
            <report/> 362  
        </directory>  
        <status>  
            <code></code>  
            <message></message> 364  
        </status>  
    </reply>

Fig. 26

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dir  
370 {<request>  
  <xpath>/usr</xpath>  
  <detail>true</detail>  
</request>} 372

Fig. 27

380 <reply>  
  <directory>  
    <get-schema>  
      <type>xlet</type>  
      <physical type="xlet">  
        <language type="perl"  
          class="/usr/local/silverback/bin/upgrade/get-schema.pl"/>  
        </physical>  
      </get-schema>  
      <performance>  
        <physical type="xml">  
          <file>/usr/local/system/screens/performance.xml  
          </file>  
        </physical>  
      </performance>  
      <report>  
        <type>dir</type>  
      </report>  
    </directory>  
    <status>  
      <code></code>  
      <message></message>  
    </status>  
</reply>

Fig. 28

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392

exec  
390 { <request>  
      <xpath>/usr/foo</xpath>  
    </request>

Fig. 29

10036533 321001

402

404

<reply>  
  <!--results . . . -->  
  <status>  
    <code></code>  
    <message></message>  
  </status>  
</reply>

Fig. 30